

WHAT IS CLAIMED IS:

*Sub B1*  
1. A glass article comprising an alkali-containing glass substrate, and a barrier film for preventing diffusion of metal ions formed on a surface of said alkali-containing glass substrate, wherein said barrier film mainly consisting of indium oxide and/or tin oxide.

*Sub B2*  
2. A glass article as claimed in claim 1, wherein said article further comprises an under layer for preventing diffusion of alkali ions formed on the surface of said alkali-containing glass substrate, and wherein said barrier film is formed on said under layer.

10 A 3. A glass article as claimed in claim 1 or 2, further comprising an insulating film formed on said barrier film.

*Sub B3*  
4. A glass article as claimed in claim 3, wherein the surface electrical resistance of said insulating film is in a range from  $1.0 \times 10^6 \Omega/\square$  to  $1.0 \times 10^{16} \Omega/\square$ .

15 A 5. A glass article as claimed in claim 3 or 4, wherein the surface electrical resistance of said insulating film is kept in the range from  $1.0 \times 10^6 \Omega/\square$  to  $1.0 \times 10^{16} \Omega/\square$  even after heating process at  $550^\circ\text{C}$  for 1 hour.

6. A glass article as claimed in *any one of claims 3 through 5*,  
*claim 3*

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~~further comprising an electrode film formed on said insulating film.~~

7. A glass article as claimed in claim 6, wherein said electrode film includes Ag.

8. A glass substrate for a display comprising: an alkali-containing glass substrate; an under layer for preventing diffusion of alkali ions formed on a surface of said alkali-containing glass substrate; a barrier

formed on a surface of said alkali-containing glass substrate; a barrier film for preventing diffusion of metal ions mainly consisting of indium oxide and/or tin oxide; an insulating film; and an electrode film,

said films being formed in the enumerated order, and

the surface electrical resistance of said insulating film being kept in a range from  $1.0 \times 10^6 \Omega/\square$  to  $1.0 \times 10^{16} \Omega/\square$  even after heating process at 550 °C for 1 hour.

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